

1 / 20

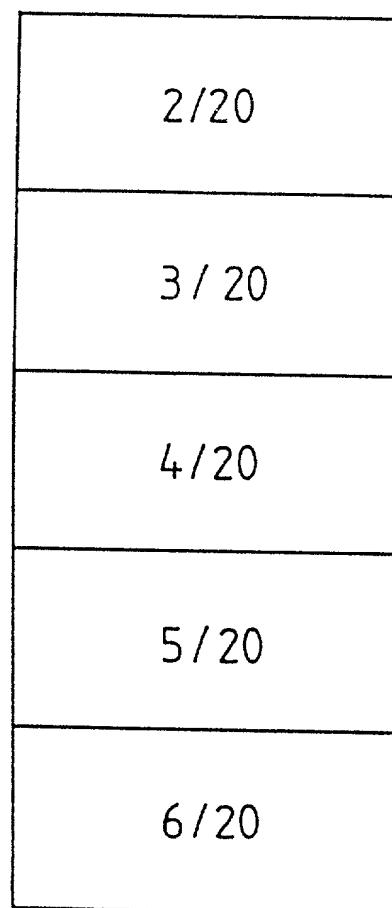


FIG 1

2/20

	CGA	GTA	AGT	ATG	GCT	GTT	18										
	Arg	Val	Ser	Met	Ala	Val											
	<b>-29</b>																
CAC	AGA	GTT	AGT	TTC	CTT	GCT	CTC	CTC	CTC	CTC	TTA	TTT	GGA	ATG	TCT	CTG	66
His	Arg	Val	Ser	Phe	Leu	Ala	Leu	Leu	Leu	Leu	Phe	Gly	Met	Ser	Leu		
	<b>-20</b>																
CTT	GTA	AGC	AAT	GTG	GAA	CAT	GCA	GAT	GCC	AAG	GCT	TGT	ACC	TTA	AAC	114	
Leu	Val	Ser	Asn	Val	Glu	His	Ala	Asp	Ala	LYS	Ala	CYS	Thr	<u>Leu</u>	<u>Asn</u>		
	<b>-10</b>						-1	1									
TGT	GAT	CCA	AGA	ATT	GCC	TAT	GGA	GTT	TGC	CCG	CGT	TCA	GAA	GAA	AAG	162	
CYS	Asp	Pro	Arg	Ile	Ala	Tyr	Gly	Val	CYS	Pro	Arg	Ser	Glu	Glu	Lys		
	<b>-1</b>						10	15									
AAG	AAT	GAT	CGG	ATA	TGC	ACC	AAC	TGT	TGC	GCA	GGC	ACG	AAG	GGT	TGT	210	
LYS	Asn	Asp	Arg	Ile	Cys	Thr	Asn	CYS	CYS	Ala	Gly	Thr	LYS	Gly	CYS		
	<b>25</b>						30	35									
AAG	TAC	TTC	AGT	GAT	GAT	CGA	ACT	TTT	GTT	TGT	GAA	GGA	GAG	TCT	GAT	258	
LYS	Tyr	Phe	Ser	Asp	Asp	Gly	Thr	Phe	Val	Cys	Glu	Gly	Glu	Ser	Asp		
	<b>40</b>						45	50									

FIG 1

3/20

CCT AGA AAT CCA AAG GCT TGT ACC TTA AAC TGT GAT CCA AGA ATT GCC	306
Pro Arg Asn Pro Lys Ala Cys Thr <b>[Leu Asn]</b> Cys Asp Pro Arg Ile Ala	
55	60
TAT GGA GTT TGC CCG CGT TCA GAA GAA AAG AAG AAT GAT CGG ATA TGC	354
Tyr Gly Val Cys Pro Arg Ser Glu Glu Lys Lys Asn <u>Asp Arg Ile Cys</u>	
75	80
ACC AAC TGT TGC GCA GGC ACG AAG GGT TGT AAG TAC TTC AGT GAT GAT	402
Thr Asn Cys Cys Ala Gly Thr Lys Gly Cys Lys Tyr Phe Ser Asp Asp	
90	95
GGA ACT TTT GTT TGT GAA GGA GAG TCT GAT CCT AGA AAT CCA AAG GCT	450
Gly Thr Phe Val Cys Glu Gly Glu Ser Asp Pro Arg Asn Pro Lys Ala	
105	110
TGT CCT CGG AAT TGC GAT CCA AGA ATT GCC TAT GGG ATT TGC CCA CTT	498
Cys Pro <b>[Arg Asn]</b> Cys Asp Pro Arg Ile Ala Tyr Gly Ile Cys Pro Leu	
120	125
GCA GAA GAA AAG AAG AAT GAT CGG ATA TGC ACC AAC TGT TGC GCA GGC	546
Ala Glu Glu Lys Lys Asn Asp Arg Ile Cys Thr Asn Cys Cys Ala Gly	
135	140
	145
	150

FIG 1

4 / 20

AAA	AAG	GGT	TGT	AAG	TAC	TTT	AGT	GAT	GGA	ACT	TTT	GTT	TGT	GAA	594
LYS	LYS	GLY	CYS	LYS	TYR	PHE	SER	ASP	ASP	GLY	THR	PHE	VAL	CYS	GLU
155								160							165
GGA	GAG	TCT	GAT	CCT	AAA	AAT	CCA	AAG	GCC	TGT	CCT	CGG	AAT	TGT	642
GLY	Glu	Ser	Asp	Pro	Lys	Asn	Pro	Lys	Ala	CYS	Pro	<u>Arg</u>	<u>Asn</u>	CYS	Asp
170								175							180
GGA	AGA	ATT	GCC	TAT	GGG	ATT	TGC	CCA	CTT	TCA	GAA	GAA	AAG	AAT	690
GLY	Arg	Ile	Ala	Tyr	Gly	Ile	Cys	Pro	Leu	Ser	Glu	Glu	Lys	Lys	Asn
185								190							195
GAT	CGG	ATA	TGC	ACC	AAC	TGC	TGC	GCA	GGC	AAA	AAG	GGT	TGT	AAG	738
ASP	Arg	Ile	Cys	Thr	Asn	CYS	CYS	Ala	Gly	Lys	Lys	GLY	CYS	Lys	Tyr
200								205							210
TTT	AGT	GAT	GGA	ACT	TTT	TGT	TGT	GAA	GGA	GAG	TCT	GAT	CCT	AAA	786
Phe	Ser	Asp	Asp	Gly	Thr	Phe	Val	CYS	Glu	Gly	Glu	Ser	Asp	Pro	LYS
215								220							230
AAT	CCA	AAG	GCT	TGT	CCT	CGG	AAT	TGT	GAT	GGA	AGA	ATT	GCC	TAT	834
Asn	Pro	Lys	Ala	CYS	Pro	<u>Arg</u>	<u>Asn</u>	CYS	Asp	Gly	Arg	Ile	Ala	Tyr	GLY
235									240						245

FIG. 1

5/20

ATT TGC CCA CTT TCA GAA GAA AAG AAT GAT CGG ATA TGC ACA AAC	882
Ile Cys Pro Leu Ser Glu Glu Lys Lys Asn Asp Arg Ile Cys Thr Asn	
255	260
<hr/>	
TGT TGC GCA GGC AAA AAG GGC TGT AAG TAC TTT AGT GAT GAT CGA ACT	930
Cys Cys Ala Gly Lys Lys Gly Cys Lys Tyr Phe Ser Asp Asp Gly Thr	
265	275
<hr/>	
TTT GTT TGT GAA GGA GAG TCT GAT CCT AGA AAT CCA AAG GCC TGT CCT	978
Phe Val Cys Glu Gly Glu Ser Asp Pro Arg Asn Pro Lys Ala Cys Pro	
280	290
<hr/>	
CGG AAT TGT GAT GGA AGA ATT GCC TAT GGA ATT TGC CCA CTT TCA GAA	1026
<b>Arg Asn</b> Cys Asp Gly Arg Ile Ala Tyr Gly Ile Cys Pro Leu Ser Glu	
295	300
<hr/>	
GAA AAG AAC AAT GAT CGG ATA TGC ACC AAT TGT TGC GCA GGC AAG AAG	1074
Glu Lys Lys Asn Asp Arg Ile Cys Thr Asn Cys Cys Ala Gly Lys Lys	
315	320
<hr/>	
GGC TGT AAG TAC TTT AGT GAT GGA ACT TTT ATT TGT GAA GGA GAA	1122
Gly Cys Lys Tyr Phe Ser Asp Asp Gly Thr Phe Ile Cys Glu Gly Glu	
330	340
<hr/>	

FIG 1

6 / 20

TCT GAA TAT GCC AGC AAA GTG GAT GAA TAT GTT GGT GAA GTG GAG AAT  
Ser Glu Tyr Ala Ser Lys Val Asp Glu Tyr Val Gly Glu Val Glu Asn  
345 355 355

GAT CTC CAG AAG TCT AAG GTT GCT GTT TCC TAAGCCTAA CTAATAATAT  
Asp Leu Gln Lys Ser Lys Val Ala Val Ser  
360 365 365

GTAGTCTATG TATGAAACAA AGGCATGCCA ATATGCTCTG TCTTGCCTGT AATCTGTAAAT  
ATGGTAGTGG AGCTTTCCA CTGCCTGTTT AATAAGAAAT GGAGGCACTAG TTGTTTAG  
TTAAAAAA AAAAAGAA

FIG 1

7 / 20

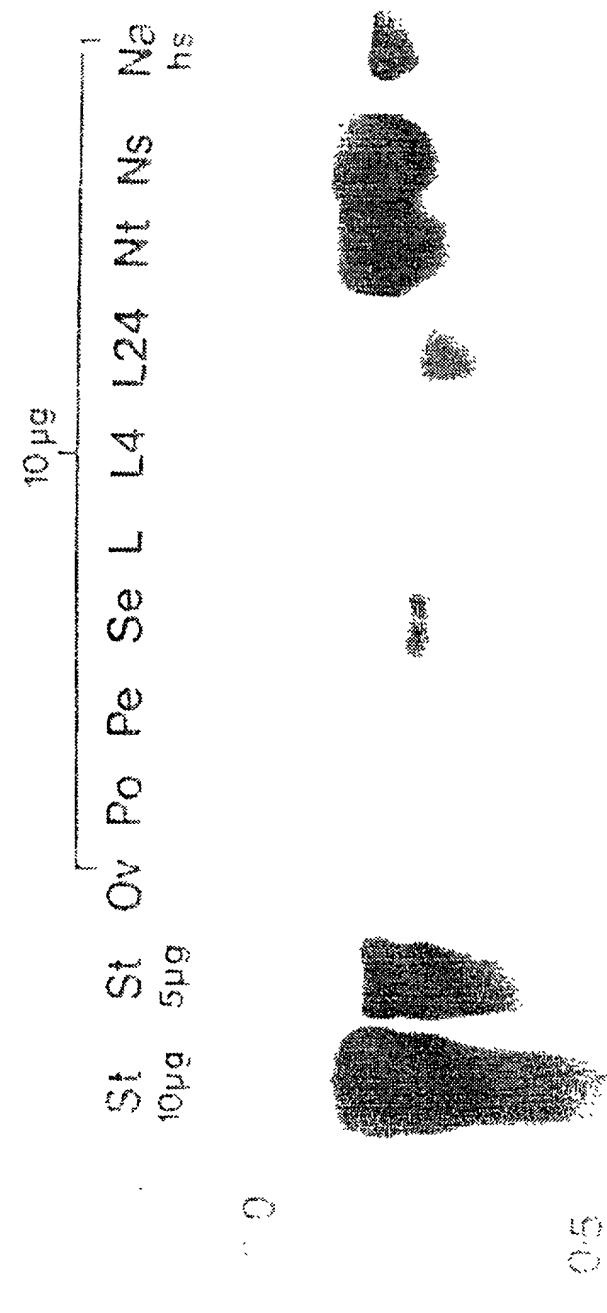


FIG 2

8/20

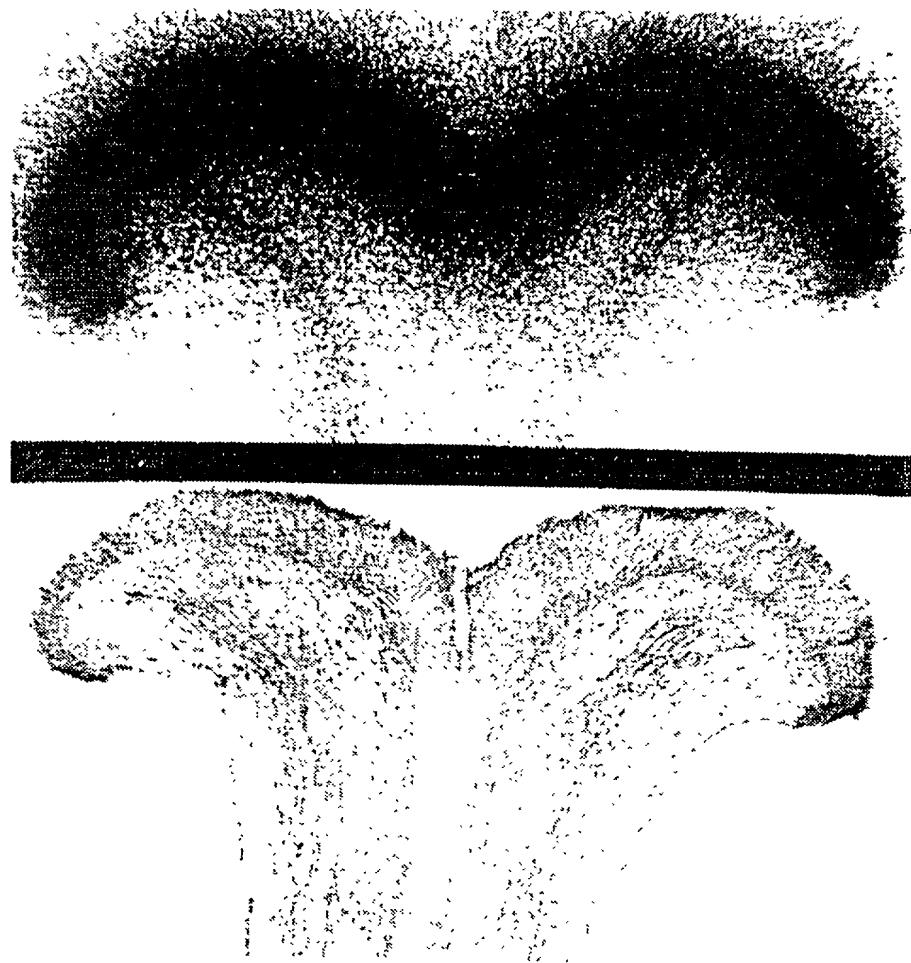


FIG 3

9/20

EcoRI HindIII

9.4

6.5

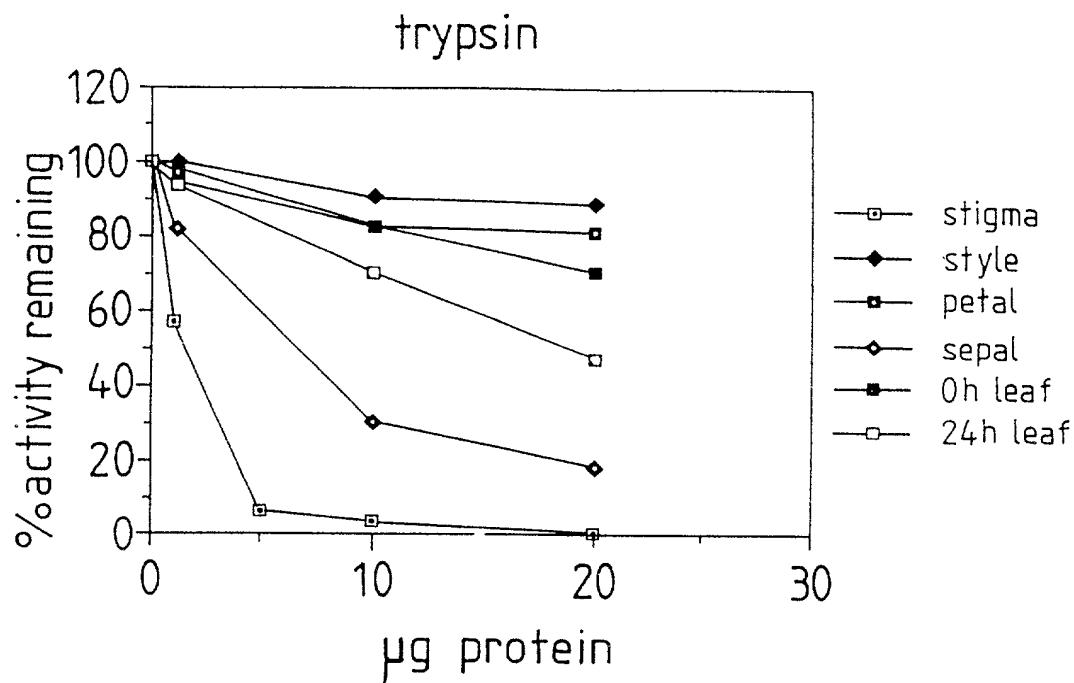
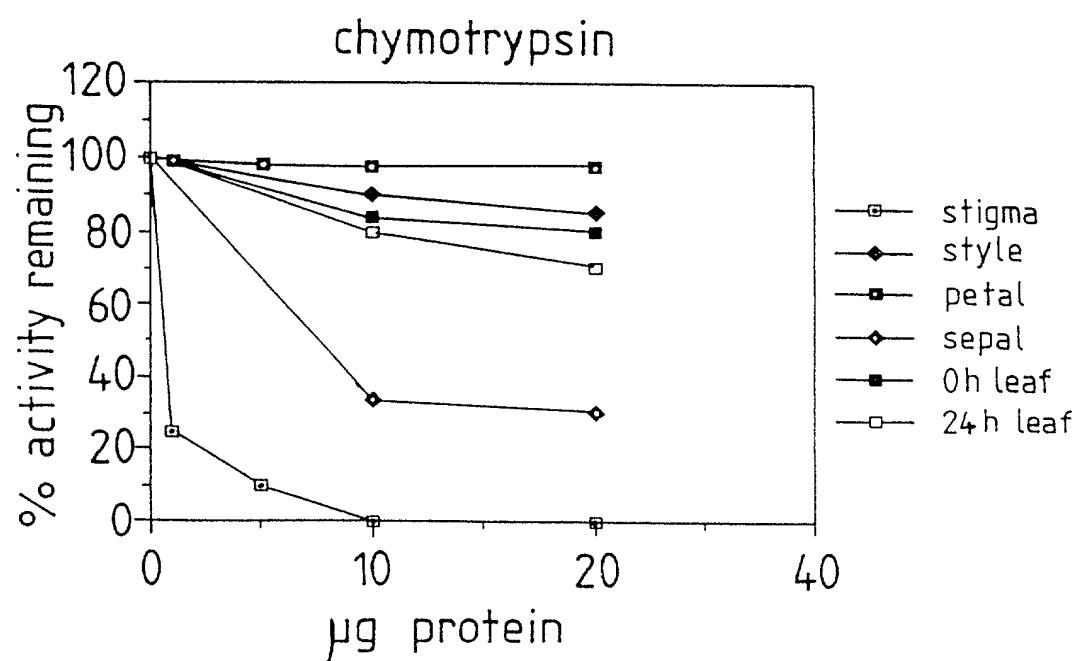
4.3

2.3

2.0

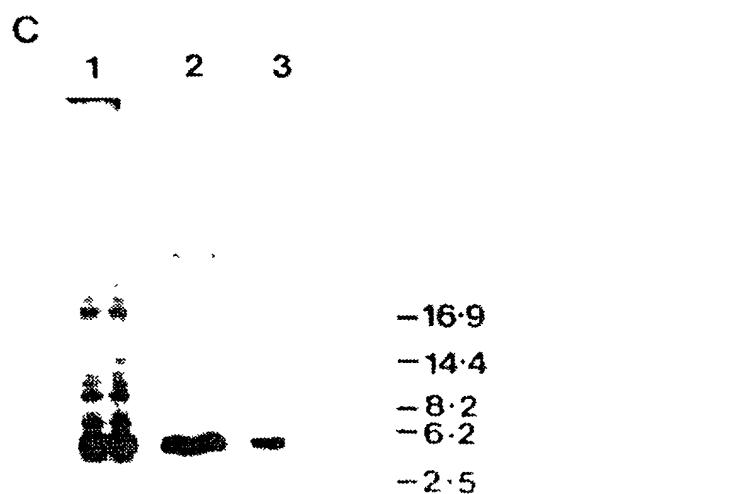
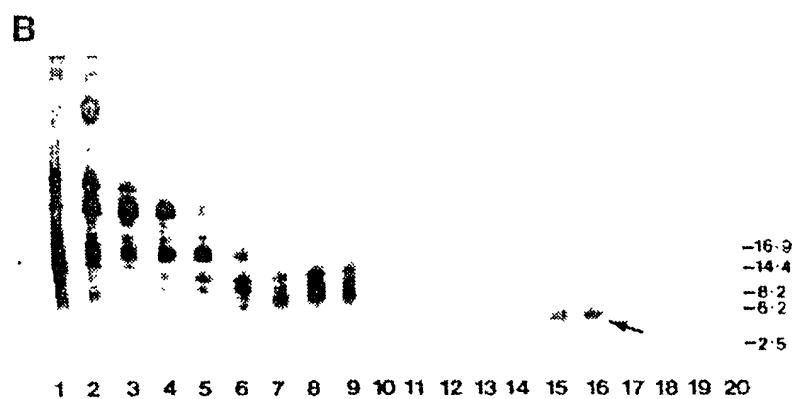
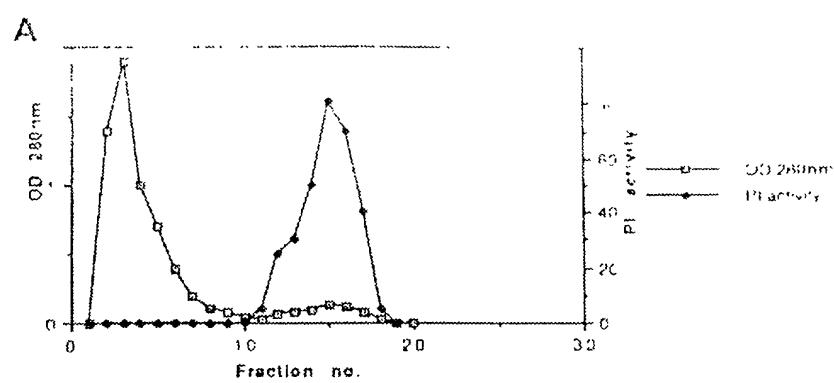
FIG 4

10/20

FIGURE 5AFIGURE 5B

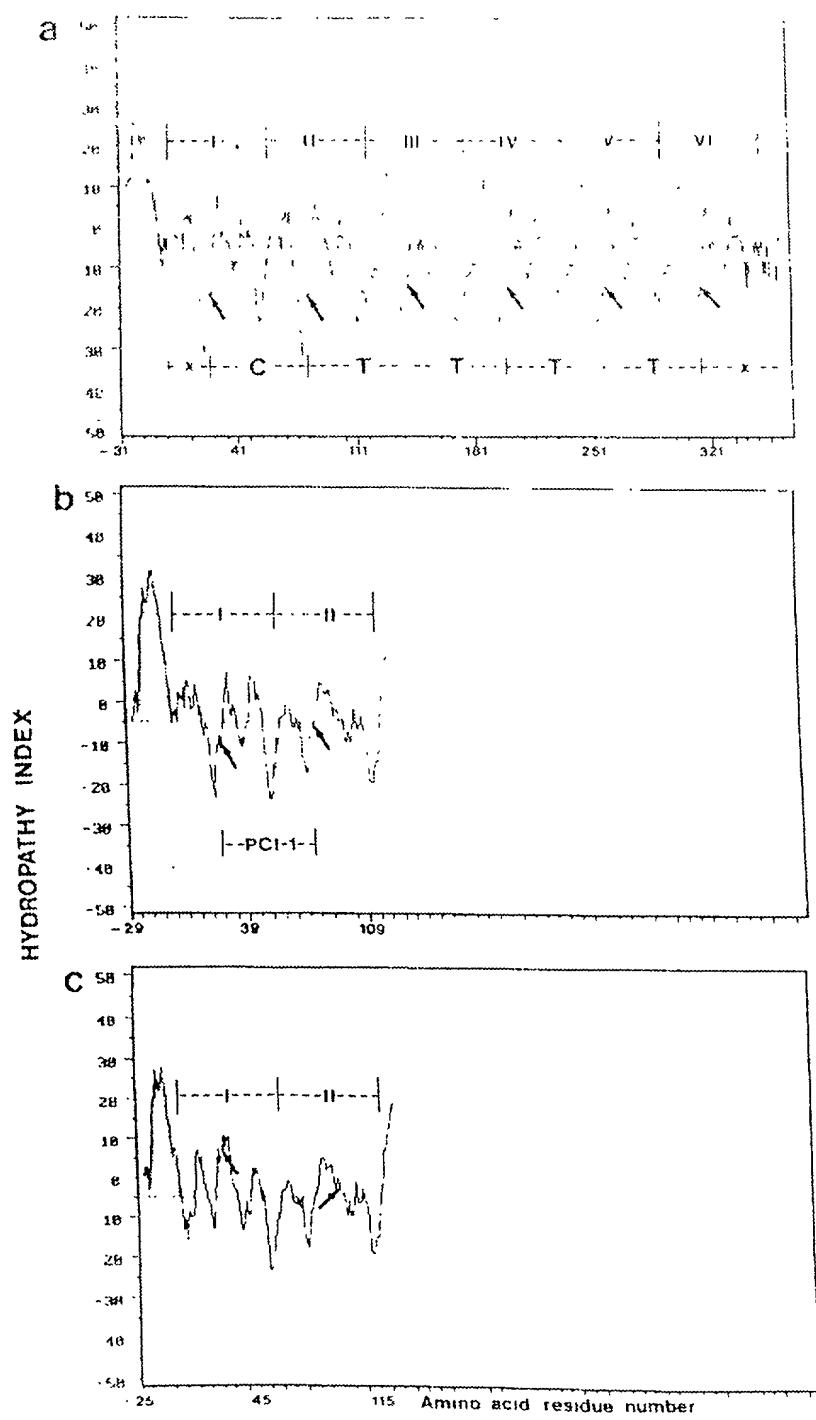
11/20

FIG 6



12/20

FIG 7



13 / 20

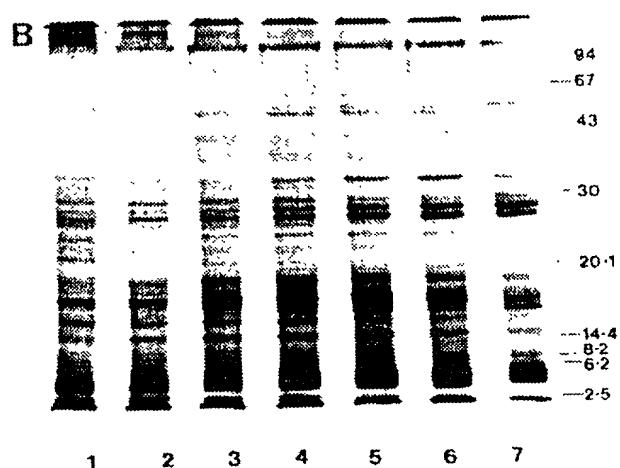
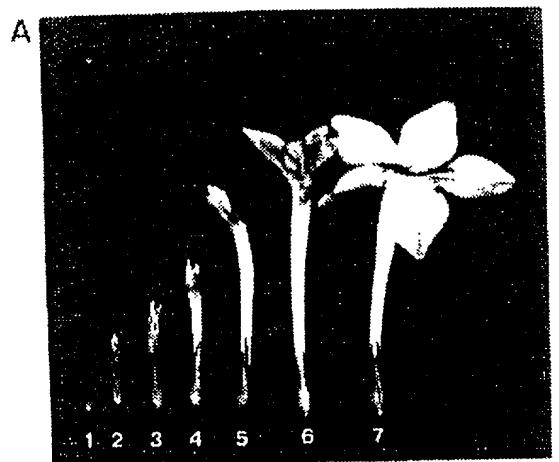
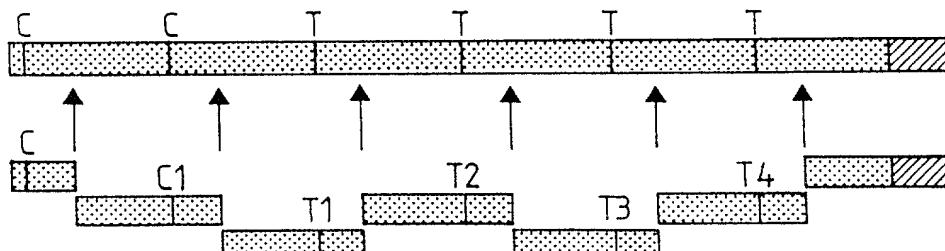
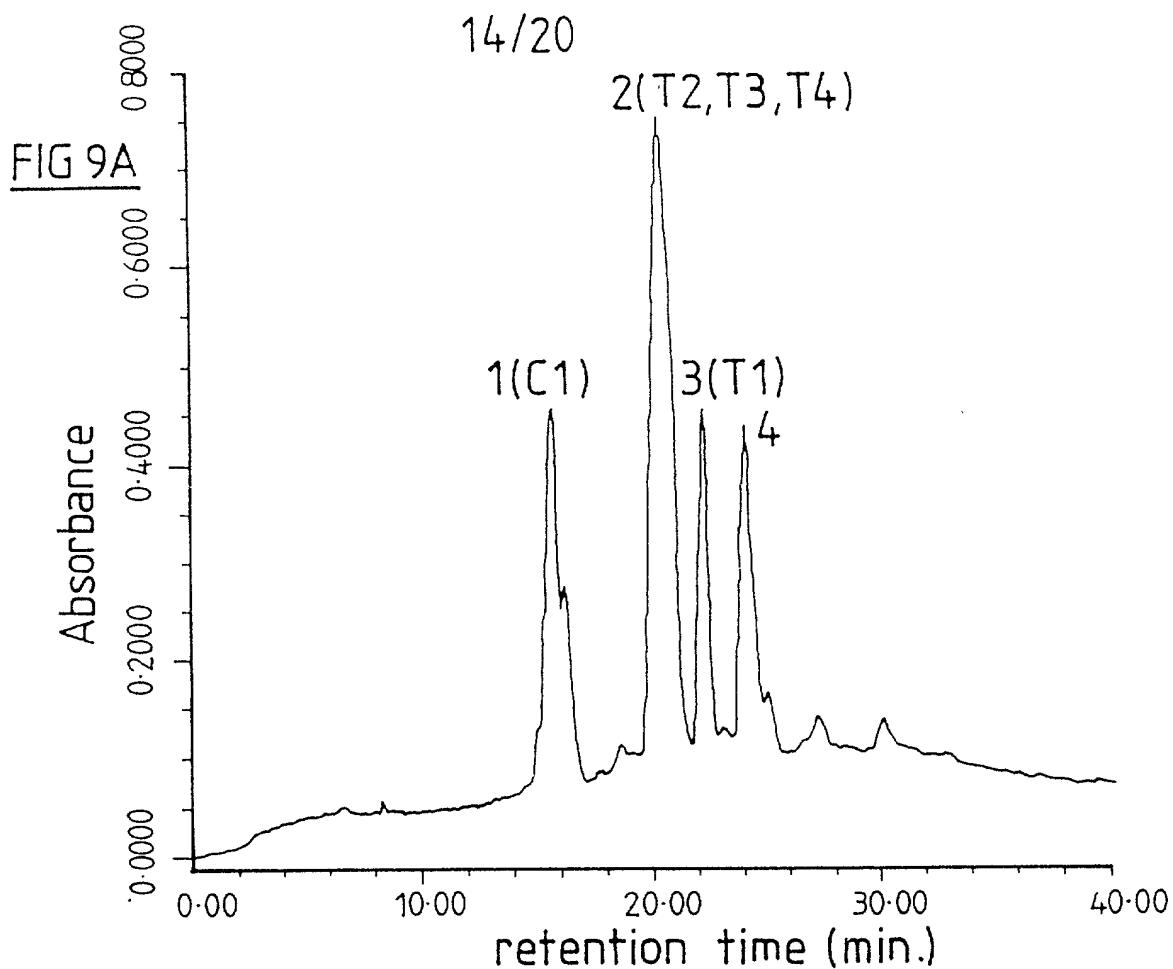


FIG 8

FIG 9B

**C1** DRICTNCCAGTKGCKYFSDDGTFVCEGESDPRNPKACTLNCDPRIAYGVCPRS

**T1** DRICTNCCAGTKGCKYFSDDGTFVCEGESDPRNPKACPRNCDPRIAYGICPL

**T2** DRICTNCCAGKGCKYFSDDGTFVCEGESDPKNPKACPRNCDGRIAYGICPLS

**T3** DRICTNCCAGKGCKYFSDDGTFVCEGESDPKNPKACPRNCDGRIAYGICPLS

**T4** DRICTNCCAGKGCKYFSDDGTFVCEGESDPRNPKACPRNCDGRIAYGICPLS

1 10 20 30 40 50

FIGURE 9C

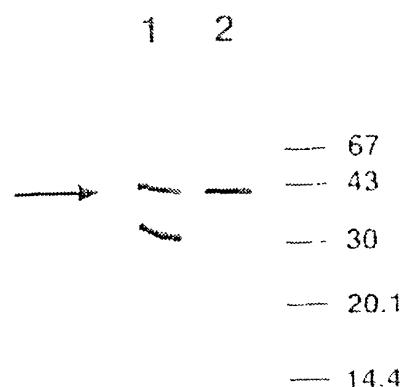
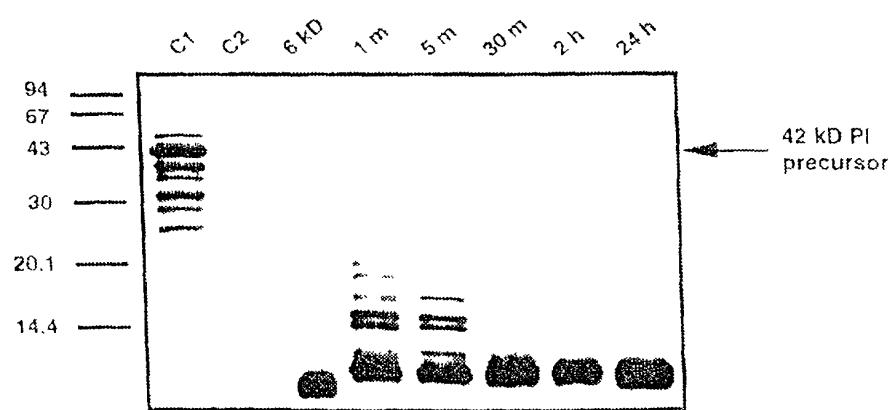
15/20

ICP ( R or L ) ( S or A ) E E K K N D R I C T N C C A G ( T or K ) R G

-10      1      10

FIGURE 10

16/20

FIG 11AFIG 11B

17 / 20

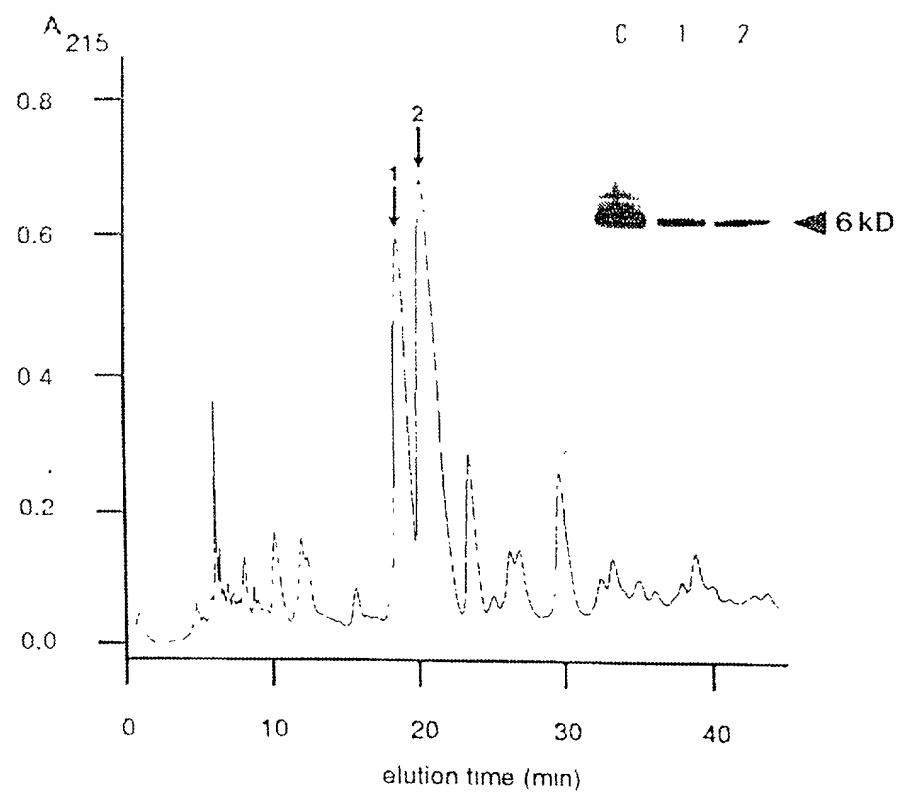
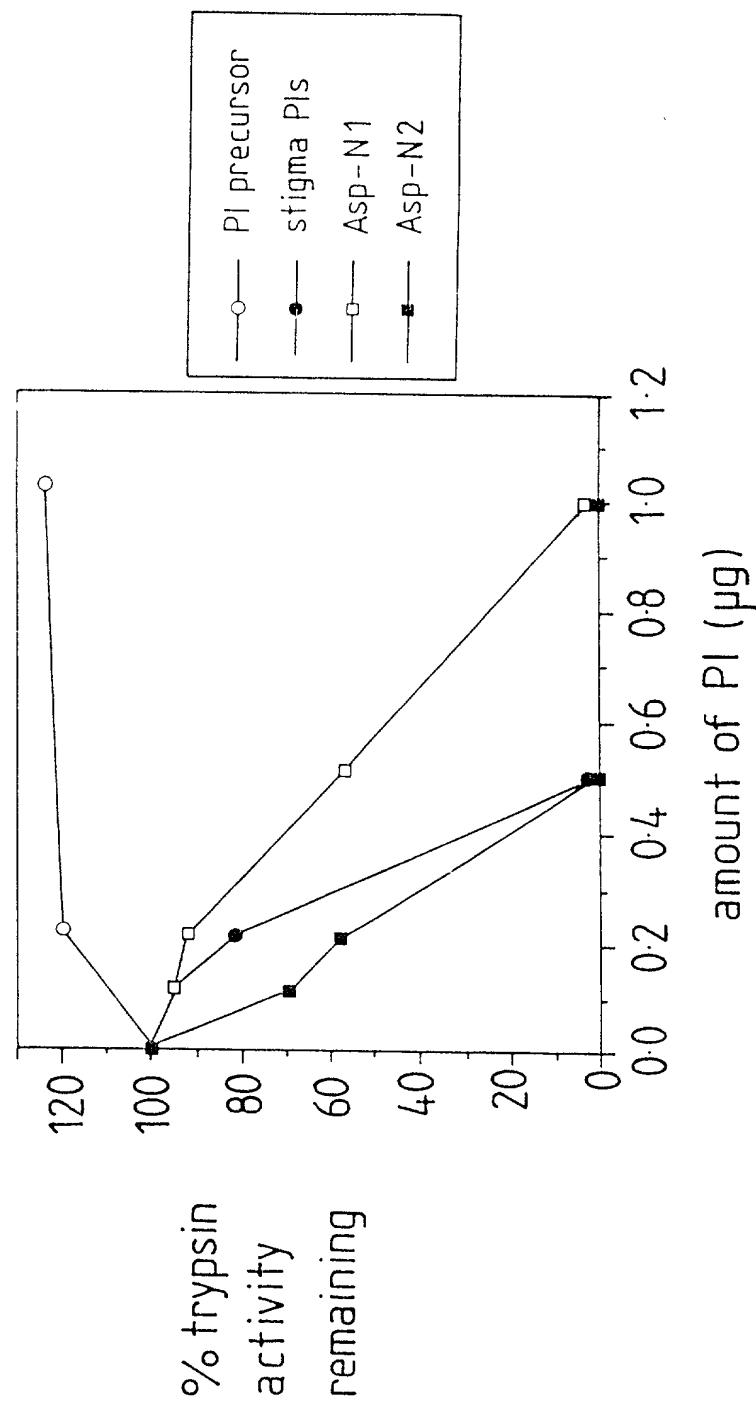
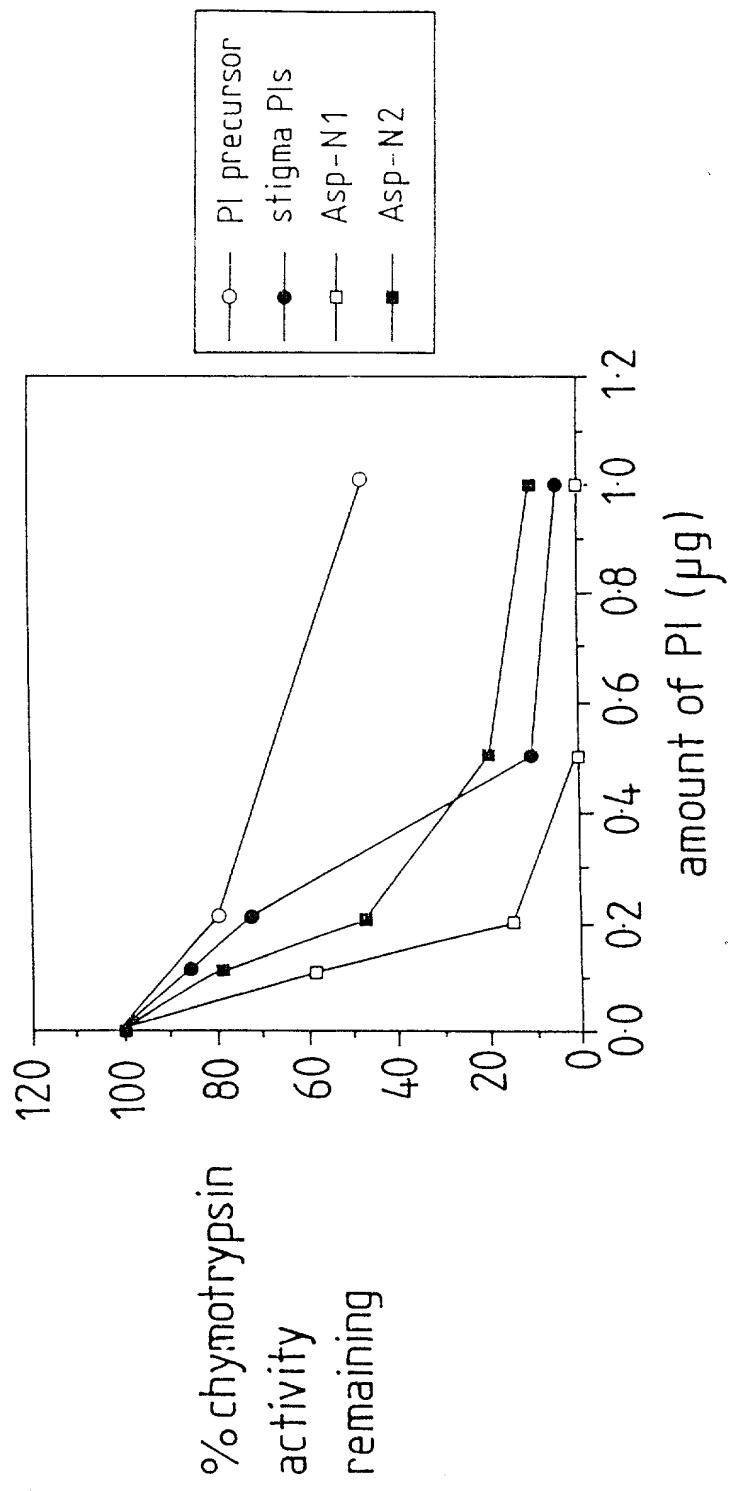


FIG 12

18 / 20

FIGURE 13A

19 / 20

FIGURE 13B

20 / 20

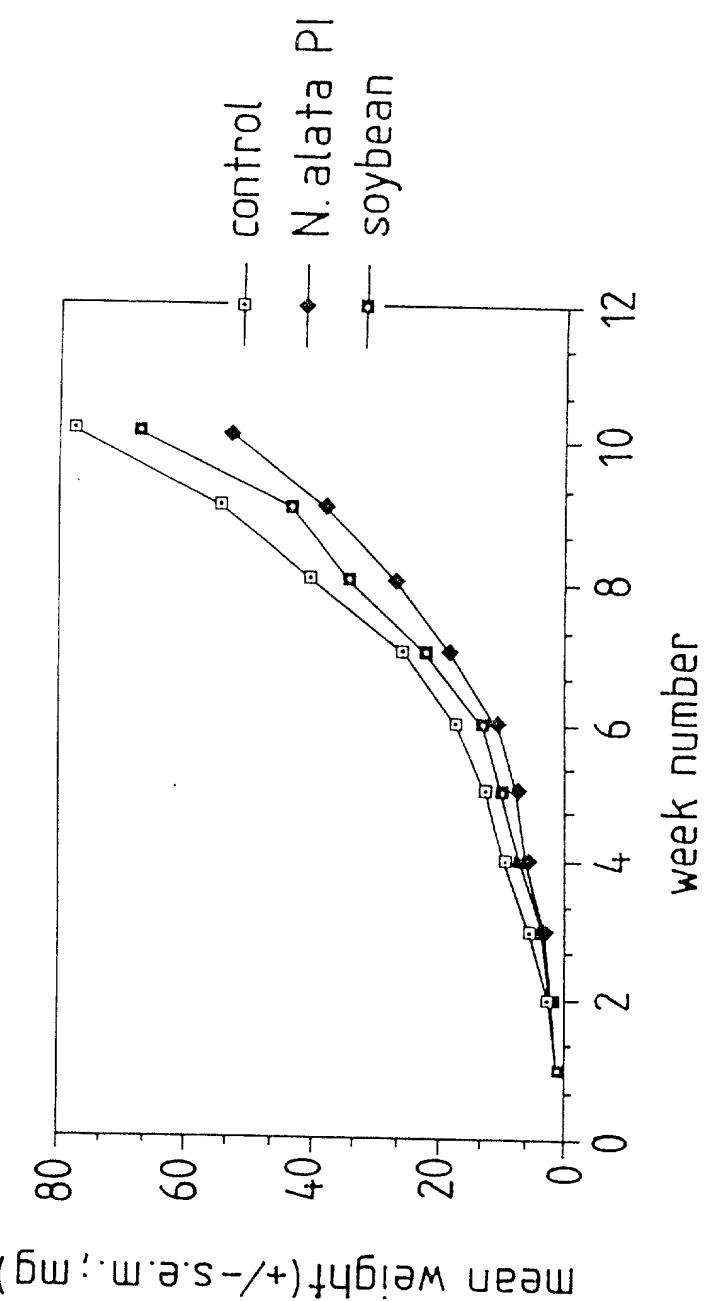


FIGURE 14